



OIPE



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/851,595

DATE: 05/21/2001

TIME: 10:17:13

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Output Set: N:\CRF3\05212001\1851595.raw
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5 <120> TITLE OF INVENTION: NOVEL G-PROTEIN COUPLED RECEPTORS AND USES THEREFOR
     3 <110> APPLICANT: Gu, Wei.
     7 <130> FILE REFERENCE: MNI-080CP
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/851,595
C--> 10 <141> CURRENT FILING DATE: 2001-05-08
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12 <150> PRIOR APPLICATION NUMBER: 09/556,588 13 <151> PRIOR FILING DATE: 2000-05-08

15 <150> PRIOR APPLICATION NUMBER: 60/132,896 16 <151> PRIOR FILING DATE: 1999-05-06

18 <160> NUMBER OF SEQ ID NOS: 12 20 <170> SOFTWARE: PatentIn Ver. 2.0

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29 <222> LOCATION: (222)..(3122)

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33 <222> LOCATION: (3554)

34 <223> OTHER INFORMATION: n = any nucleotide

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51 ggg ggc agc gac ccc cag cct ggc ccg ggg cgt ccc gcc tgc ccg gct 49 52 Gly Gly Ser Asp Pro Gln Pro Gly Pro Gly Arg Pro Ala Cys Pro Ala

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ENTERED





Input Set : A:\seqlist.txt
Output Set: N:\CRF3\05212001\1851595.raw

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72 Leu Ser His lie Plo Gif Gim and 115	- 20
73 105 105 agt agg atc cca agg agg agg	520
75 att cta atg ctg cag agc acc ctg see Arg Gly Ile Pro Ala Glu Ala	
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77 120 125 78 cta tgg gag ctg ccc agc ctg cag tcg ctg cgc cta gat gct aat ctc 79 cta tgg gag ctg ccc agc ctg cag tcg ctg cgc cta gat gct aat ctc 80 Leu Trp Glu Leu Pro Ser Leu Gln Ser Leu Arg Leu Asp Ala Asn Leu 140 145	
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95 150 153 aga qct	764
87 cac ctc tgg ctg gat gac aat gca ctc act gag the Pro Val Arg Ala	
88 His Leu Trp Leu Asp Asp 1131 175 180	
89. 1/V and the aget etc age cat	812
91 ctc aac aac ctt cct gcc cta cag gcc atg acc teg sale Leu Asn His	
105 Tou Ash Ash Leu Più Aid 100 Touris 105	
os 185 are oto acc agt ctt qtg	860
93 185 190 95 atc cgc cac atc cct gac tat gcc ttc cag aac ctc acc agt ctt gtg 95 atc cgc cac atc cct gac tat gcc ttc cag aac ctc acc agt ctt gtg 96 Ile Arg His Ile Pro Asp Tyr Ala Phe Gln Asn Leu Thr Ser Leu Val 205 210	
of the Ard His IIe Pro Asp 111 Mar 210	
205 200 205 are are are are are	908
97 200 205 99 gtg ctg cat cta cat aac aac cgc atc cag cat gtg ggg acc cac agc	
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101 215 220 225 and tat aat gag	956
101 215 220 220 101 215 220 225 103 ttc gag ggg ctg cac aat ctg gag aca cta gac ctg aac tat aat gag 103 ttc gag ggg ctg cac aat ctg gag aca cta gac ctg aac tat aat gag	
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104 Pine Gra - 1 235 240 240 240 240 240 240 240 240 240 240	1004
105 230 235 107 ctg cag gag ttc ccc ttg gct atc cgg acc ctg ggc agg ctg cag gaa 107 ctg cag gag ttc ccc ttg gct atc cgg acc ctg ggc agg ctg cag gaa 107 ctg cag gag ttc ccc ttg gct atc cgg acc ctg ggc agg ctg cag gaa	
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100 feet 611	1052
109 250 253 109 at ccat aac aac at aag get at cca gag aaa gee tte 111 ttg ggt tte cat aac aac at aag get at cca gag aaa gee tte	
111 ttg ggt ttc cat aac aac aac atc aag gct atc cod gas Ala Phe 112 Leu Gly Phe His Asn Asn Asn Ile Lys Ala Ile Pro Glu Lys Ala Phe 270	
270 270 270 270 at C	1100
113 265 270 113 atg ggc aac cct ctc ctg cag aca ata cat ttt tat gac aac cca atc 115 atg ggc aac cct ctc ctg cag aca ata cat ttt tat gac aac cca atc	
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117 280 285 119 cag ttt gtg gga agg tca gca ttc cag tac ctg tct aaa ctg cat acg 119 cag ttt gtg gga agg tca gca ttc cag tac ctg tct aaa ctg cat acg	
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132 Leu Leu Pro Pro Gly Val Cys 350	1340
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137 360 139 cag aag ctg gag gaa att ggc ctc cga cat aac agg atc aag gaa att 1360 139 cag aag ctg gag gaa att ggc ctc cga cat aac agg atc aag gaa att 1360 140 Gln Lys Leu Glu Glu Ile Gly Leu Arg His Asn Arg Ile Lys Glu Ile 140 Gln Lys Leu Glu Glu Ile Gly Leu Arg His Asn Arg Ile Lys Glu Ile 141 375 380 380 385
140 Gln Lys Leu Glu Glu Glu 116 327 385 380 385 422 443 gac ctg 1436
140 Gln Lys Leu Glu Glu Glu 116 327 385 380 385 422 443 gac ctg 1436
141 375
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144 GIV Ala ASP THE 1395
147 agt tgg aat gcc atc agg ala Tle His Pro Glu Ala Phe Ser Thr Leu
148 Ser Tro Ash Ald Ile Alg Mile 420
140 to and the second control of the second
151 cga tcc ttg gtt aag ctg gac ctg act gac aac cag ctg act gac at tag ctg state and tag state and t
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152 425 22g ctc aaa ggg ddc 1500
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136 P10 heat 12 445 445 445 15 16 28 23 23 Ctg agg 1628
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160 Leu Ala Leu Sei Gii 121 465 465 465 460 465
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172 P10 G14 510 510 510 513 173 505 505 510 510 513 175 caa gct gag aac cac tat gac cta gac ctg gat gag ctc cag atg ggg 1820 175 caa gct gag aac cac tat gac cta gac ctg gat gag ctc cag atg ggg 1820
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176 Gin Ala Giu Abi 11-1 525 530 530 1868
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190 Thr Glu ASD Sel Lys 110 110 110 5/5
191 535 . Let and ago too ggc atc cgc 1910
183 ggc ccc ttc aag ccc tgc gdg tac Leu Phe Glu Ser Trp Gly Ile Arg
194 Gly Pro Phe Lys Plo Cys old
105 550 333
187 ctt gct gtg tgg gcc atc gtg ctc tcc gta ctc tgt ddo 937 187 ctt gct gtg tgg gcc atc gtg ctc tcc gta ctc tgt ddo 937 188 Leu Ala Val Trp Ala Ile Val Leu Ser Val Leu Cys Asn Gly Leu 188 Leu Ala Val Trp Ala Ile Val Leu 575 575
100 Leu Ala Val Trp Ala Ile Val Leu Ser Val Bed 575
570 575 575 575 575 575 575 575 575 575
189 570 575 189 570 ctg ctg aca gtc ttt gcc agc gga ccc agc ccg ctg tcc ccc gtc 2012 191 gtg ctg ctg aca gtc ttt gcc agc gga ccc agc ccg ctg tcc ccc gtc 2012
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103 303 and of acq ddc all 2000
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196 Lys Leu Val Val Gry Ard 100 1 610
197 600 the acc tat ggt cag till 2100
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199 too tgt ggt oto ctg goo tot gtg gac goo ttg acc tdd 399 199 too tgt ggt oto ctg goo tot gtg gac goo ttg acc tdd 399 200 Ser Cys Gly Leu Leu Ala Ser Val Asp Ala Leu Thr Tyr Gly Gln Phe





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	Tyr Gly	635	IIP G	Iu 5	CI (-	640	4	-			645	
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265 870		87	5				88	U				000	





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268 GIA GIU	FIO I.	89	00				89	5					900		2972
269 271 atc tcc				a aaa	acc	ac	c ag	ıg ct	g g	ag g	ga	aac	cat		27,2
271 atc tcc 272 Ile Ser	cga c	at ca	ig cc	9 995 0 Clu	, <u>1</u> 112	Th	r Ar	a Le	u G	lu G	1у	Asn	His	Phe	!
272 Ile Ser	Arg H	is Gi	II PI	O GIY	1114	01	Λ.	-				915			
273	9	05							'a C	aa c	ct	CCC	ato	g aag	3020
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279 gga gaa 280 Gly Glu		Ou Le	ין וופ בין וופ	s Ala	a Glu	1 Gl	y A.	la Tl	hr I	eu F	λта	GIY	Cy:	S GI	•
280 GIY GIV	. rear	ieu n		940	Ω				9	45					3116
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290 aaaaga 292 ctctcc	2002 0	cccta	acca	atga	gtgc	tt (ccaa	gtct	tg (CTTT	y cc		900	aaaa	aat 3352
292 ctctcc 294 tcactt	acya c	ataaa	cctt	ctct	atcc	aa '	tcca	atac	tt (ctga	cag	agg	CCL	.yyya	aac 3332
294 tcactt 296 ttgcat	tcac c	ctyyy		2200	aaaa	ga (caqt	gaag	gt :	tatt	ggg	CCC	tga	ıcaga	.gcc 3412
296 ttgcat 298 atgato	agga g	aaagy	jayaa	aage	raaaa	αα ·	tata	acac	raq	catg	aca	ctg	gaa	ıgaca	act 34/4
208 atrato	agta a	gtgca	iyayı	gues	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					-+	22+	ata	++c	rtaco	TTC 3334
300 accaaa W> 302 cattaa	gaca t	tggag	gagtc	tccc	cctgi	.ga		cast	+++	 aaaa	t.ac	act	tte	ggaag	_{Jaca} 3592
w> 302 cattaa	tctt g	accta	atgct	gngc	caaa	ıgt	gcu	_0000	,	aaaa	TC			-	3637
W> 302 cattaa 304 ttgaaa	aaaa a	aaaaa	aaaaa	aaaa	aaaaa	ıaa	aaaa	aayy	Jog	gccg	, –				
307 <210>	SEO ID	NO:	2												
307 <210>	LENGTH	. 96	7												
308 <2117	DDMOT.	ייים ס	•												
309 <212>	TIPE.	CM. 1	Mile II	uscu	lus										
310 <213>	ORGANI	OM.	nus "	(about											
312 <400> 313 Met H	SEQUE	ICE:	2 5 C	11 T.	ou Le	211 Z	\la	Leu '	Trp	Leu	Cys	5 Al	a V	al L	eu
313 Met H	is Ser	Pro	Pro G	TA T	eu n	- u		10	-					15	
314 1 316 Cys A			5					200	Gl n	Pro	G1	v Pr	o G	ly A	rg
316 Cvs A	la Ser	Ala	Arg (Gly G	ly S	er <i>E</i>	Asp	PIO	G111	110	~	• - 3	30	-	
217		20					25	_		•	C1.	., т1	ام اما	et I	eu
317 319 Pro A	1 a Cvs	Pro	Ala I	Pro C	ys H	is (Cys	Gln	GLu	Asp	GT.	a ra	16 17		-
319 PIO A	25					40					4	ت 		T	011
320 322 Ser A		0	cor (clu I	eu G	lv	Leu	Ser	٧al	Val	Pr	0 A.	la A	sp L	eu
322 Ser A	Ia Asp	Cys	ser ,	51u -	55	-1				60					_
323 325 Asp F	50			m T	JJ 7	an.	T.011	Ser	Met	Asn	As	n L	eu T	hr G	lu
325 Asp F	ro Leu	Thr	Ala	Tyr 1	eu A	sp.	пеп	DCI	75						80
326 65				70				7	Dho	T.e.ii	G1	u G	lu I	eu A	rg
326 65 328 Leu G	ln Pro	Gly	Leu	Phe F	lis H	lis	ьeu	Arg	rne	Tien	. 01			95	-
- 320 320 Hear		-	85					90		a 1	1	- r	he s	ser C	:lv
329 331 Leu S	or Clu	Aan	His	Leu S	Ser E	lis	Ile	Pro	Gly	GII	ı Al	a P	11C :	, C. L	1
331 Leu 3	ет стХ	100					105					Ţ	ΤΛ		71
332 334 Leu I		T00	T	т11	Leu N	/et	Leu	Gln	Ser	Ası	n Gl	n L	eu i	arg (этХ
334 Leu I	lis Ser	Leu	гÃг	TTE.	1	120					12	25			
335	115	5			<u>ا</u> م	71	Tov	Dro	Ser	Lei	1 G]	ln S	er :	Leu A	Arg
227 110	71-			Len '	rrp (J⊥U	пeп	FIO							
337 316 3	ro Ala	ı Glu	Ala	DC.	-					1/1/	n				
337, 116	115 Pro Alá 130	Glu	Ala	БСС	135			_	a 1.	140	a e.	ar D	he '	Glu (Gly
338	Pro Ala 130	a Glu a Asn	Leu	Ile	135 Ser 1	Leu	Val	Pro	Glu	140 Are	0 g Se	er F	he	Glu (Gly
338 340 Leu	Pro Ala 130 Asp Ala	a Glu a Asn	Leu	Ile	135 Ser 1	Leu	Val	Pro	Glu	140 Ar	0 g Se	er F	he	Glu (Gly
33, The 338 340 Leu	Pro Ala 130 Asp Ala	a Glu	Leu	Ile	135 Ser 1	Leu	Val	Pro	Glu	140 Are	0 g Se	er F	he	Glu (Gly

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.





VERIFICATION SUMMARY

PATENT APPLICATION: US/09/851,595

DATE: 05/21/2001 TIME: 10:17:14

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\05212001\1851595.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:10 M:2/1 C: Current Filing Date differs, Replaced Ct L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 L:779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 L:780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 L:968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 L:1107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 L:1108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6